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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/682,199	10/10/2003	Peter Hermentin	06478.1495	1253
22852	7590 05/22/2006		EXAMINER	
FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER			VENCI, DAVID J	
LLP 901 NEW YORK AVENUE, NW			ART UNIT	PAPER NUMBER
	WASHINGTON, DC 20001-4413			· · · · · · · · · · · · · · · · · · ·
			DATE MAILED: 05/22/200	6

Please find below and/or attached an Office communication concerning this application or proceeding.

//	Application No.	Applicant(s)				
,' ·	10/682,199	HERMENTIN ET AL.				
Office Action Summary	Examiner	Art Unit				
1	David J. Venci	1641				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	lely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
Responsive to communication(s) filed on <u>February</u> This action is FINAL . 2b)⊠ This Since this application is in condition for allowant closed in accordance with the practice under Expression in the Expression in t	action is non-final. nce except for formal matters, pro					
Disposition of Claims						
4) ☐ Claim(s) 16-25,27,28,30,31,33 and 35 is/are per 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 16-25,27,28,30,31,33 and 35 is/are re 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.					
Application Papers						
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examiner	epted or b) objected to by the Edrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa					

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DETAILED ACTION

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Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e),

was filed in this application after final rejection. Since this application is eligible for continued examination

under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the

previous Office action is withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on February

21, 2006, is entered.

Currently, claims 16-25, 27-28, 30-31, 33 and 35 are under examination.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office

action.

Claim Rejections - 35 USC § 112

Claim 35 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly

point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 35, the phrase "the visualization" lacks antecedent basis.

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Claim Rejections - 35 USC § 103

Claims 16-24, 27-28, 30-31, 33 and 35 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Shainoff, Electrophoresis and direct immunoprobing on glyoxal agarose, in ADVANCES IN

ELECTROPHORESIS, Vol. 6, VCH Publishers, pp. 65-176 (1993), in view of Bhat & Nagineni, 170 ANAL.

Вюснем 105 (1988).

Shainoff teaches a method for the determination of multimers of multimer-forming proteins by gel

electrophoresis, comprising:

fractionating a sample containing von Willebrand factor (see p. 78, left column, 2.1.1.1 Gel

concentrations, first paragraph) or fibrinogen (see p. 66, left column, 1.1 Development of glyoxyl

agarose and composites, first paragraph) into multimer bands by electrophoresis using a

continuous, homogeneous (see Table 1) agarose gel (see Title);

visualizing multimer bands by a dye in the gel (see p. 98, left column, 2.7 General protein

staining);

optionally, quantifying the dyed multimer bands (see p. 98, right column, 2.8 Mounting,

photographing and scanning gels, first paragraph, "densitometers").

Shainoff does not describe "submarine" electrophoresis.

However, Bhat & Nagineni describe the use of "submarine" electrophoresis for resolving proteins (see

Title).

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It would have been obvious for a person of ordinary skill in the art to replace the electrophoretic protocol of Shainoff with a "submarine" method because Bhat & Nagineni discovered that the "submarine" method

allows for stacking of multiple gels allowing for multiple simultaneous runs (see Abstract).

Claim 25 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shainoff, Electrophoresis and

direct immunoprobing on glyoxal agarose, in ADVANCES IN ELECTROPHORESIS, Vol. 6, VCH Publishers, pp.

65-176 (1993), and Bhat & Nagineni, 170 ANAL. BIOCHEM 105 (1988), as applied to claim 16 and 24, and

further in view of Perrella & Denisov, 259 Methods Enzymol. 468 (1995).

Shainoff and Bhat & Nagineni describe a method for the determination of multimers as substantially

described, supra, and incorporated herein.

Shainoff and Bhat & Nagineni do not describe a method wherein electrophoresis is carried out between 8-

12°C.

However, Perrella & Denisov describe the use of temperature to modify electrophoresis (see Title).

It would have been obvious for a person of ordinary skill in the art to modifty the electrophoretic protocol

of Shainoff and Bhat & Nagineni by modifying temperature because Perrella & Denisov teach that the use

of temperature to modify electrophoresis allows for probing of "intermediate stages of ligation" and

"quaternary structural changes" (see first paragraph).

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Response to Arguments

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In prior Office Action, claims 16-34 were rejected under 35 U.S.C. 112, second paragraph, as being

indefinite for various reasons. Applicants' amendment and/or argumentation are fully persuasive and

sufficient to overcome these rejections. Accordingly, these rejections are withdrawn.

In prior Office Action, claims 16, 19-26, 30, 32 and 34 were rejected under 35 U.S.C. 102(b) as being

anticipated by Krizek & Rick, 97 THROMB. RES. 457 (2000). In addition, claims 16-27 and 30-34 were

rejected under 35 U.S.C. 103(a) as being unpatentable over Connaghan et al., 65 BLOOD 589 (1985), in

view of Krizek & Rick, 97 THROMB. RES. 457 (2000). Applicants' amendment and/or argumentation are

fully persuasive and sufficient to overcome these rejections. Accordingly, these rejections are withdrawn.

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No claims are allowed at this time.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be

directed to David J. Venci whose telephone number is 571-272-2879. The examiner can normally be

reached on 08:00 - 16:30 (EST). If attempts to reach the examiner by telephone are unsuccessful, the

examiner's supervisor, Long Le can be reached on 571-272-0823. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application

Information Retrieval (PAIR) system. Status information for published applications may be obtained from

either Private PAIR or Public PAIR. Status information for unpublished applications is available through

Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC)

at 866-217-9197 (toll-free).

David J Venci Examiner Art Unit 1641

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SUPERVISORY PATENT EXAMINER **TECHNOLOGY CENTER 1600**